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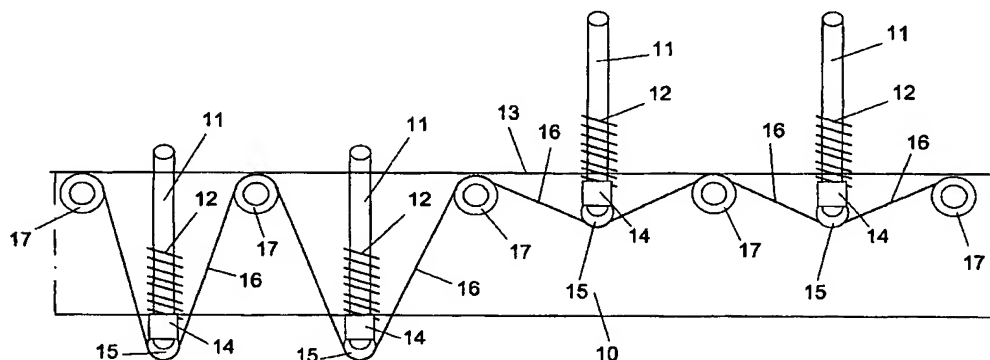
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(54) Title: **BED SURFACE WITH IMPROVED STRUCTURE**



(57) Abstract: A bed plane with improved structure, comprising a plurality of slats, arranged transversally to the frame (10) of the bed and connected to it through slat holders, includes a series of stems or pistons (11), each connected with one or more of the aforementioned slats and associated with a respective spring (12) for vertical sliding; each piston carries a pulley or sliding guide (15) for the transmission of motion, which occurs thanks to flexible members (16), such as cords, belts, chains and cables, fixed to the frame (10) of the bed plane. The pistons (11), connected to the slats, react to the pressures exerted by the body lying down on the bed plane, compensating for the sinking created by the heaviest parts of the body, i.e. those parts between the shoulders and the pelvis, with an upward thrust, supporting the lighter parts, in other words the back and kidneys.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 85/02987 A (HAAPASALO PAULI MIKAEL) 18 July 1985 (1985-07-18) abstract page 4, line 1 - page 8, line 10 figures 1-3	1-7
Y		8
X	EP 0 749 712 A (FEHER LASZLO FERENC ; FEHER ROGER (CH)) 27 December 1996 (1996-12-27) column 3, line 26 - column 4, line 59; figures 2,3	1,2,4,5, 7
Y	CH 663 339 A (PETER FEHLMANN) 15 December 1987 (1987-12-15) page 2, line 60 - line 62; figure 1	8
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☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	AT 400 662 B (BURIAN BERTRAM) 26 February 1996 (1996-02-26) abstract; figures	1-8
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